<u>CLAIMS</u>

1. (Currently Amended) A computer-implemented method, comprising:

receiving, by a computing device, an indication of a change to data comprising a

reference attribute in a first external object in a first namespace, wherein the reference

attribute refers to a second external object in the first namespace, the first external

object and the second external object each having an associated central representation

in a second namespace, wherein the second namespace includes a metadirectory that

includes all data from each of its associated namespaces;

evaluating, by the computing device, an association between the central

representation of the second external object in the second namespace and the second

external object in the first namespace to identify a third external object in a third

namespace;

discovering, by the computing device, a format of a corresponding reference

attribute in the third external object, the reference attribute and corresponding reference

attribute having different formats and the format of the corresponding reference attribute

being associated with an attribute in the central representation of the second external

object; and

propagating, by the computing device, the changed data to the third namespace

to update the third external object, the propagating including retrieving a value of the

attribute in the central representation of the second object and updating a value of the

corresponding reference attribute in the third external object based on the retrieved

value.

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2. (Previously Presented) The method recited in claim 1, wherein the

indication of the change comprises a notice that the reference to the second external

object was added, modified, or deleted.

3. (Previously Presented) The method recited in claim 1, wherein

identifying the central representation of the first external object in the second

namespace comprises evaluating correlation information that correlates objects in the

first namespace with objects in the second namespace.

4. (Previously Presented) The method recited in claim 3, wherein the

correlation information comprises a persistent data store that associates central

representations in the second namespace with external objects in other namespaces.

5. (Previously Presented) The method recited in claim 4, wherein the

association comprises a link between a unique identifier for each central representation

in the second namespace and unique identifies for each external object.

6. (Original) The method recited in claim 5, wherein the unique identifier

comprises a globally unique identifier.

7. (Original) The method recited in claim 4, wherein the persistent data store

comprises a table.

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8. (Canceled)

9. (Original) The method recited in claim 1, wherein each object comprises

an entity.

10. (Original) The method recited in claim 9, wherein each entity comprises a

unique identifier that is immutable and a name.

11. (Original) The method recited in claim 10, wherein the name is mutable.

12. (Canceled)

13. (Currently Amended) A computer-implemented method, comprising:

receiving, by a computing device, an indication of a reference change from a first

object in a first namespace, the reference change comprising an addition, modification,

or deletion to a value of a reference attribute of the first object, wherein the value of the

reference attribute is the name of a second object in the first namespace;

correlating, by the computing device, the first object to a central representation of

the first object, the correlating including identifying a link between an immutable

characteristic of the first object and the central representation;

identifying, by the computing device, another central representation

corresponding to the second object;

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identifying, by the computing device, a third object in a second namespace, the

third object being associated with the central representation and depending on the data

of the central representation, wherein the central representation comprises an

aggregation of all information from the first object and the third object, wherein the first

object serves as a first master for at least a first piece of information absent in the third

object, and the third object serves as a second master for at least a second piece of

information absent in the first object;

discovering, by the computing device, a format of a corresponding reference

attribute in the third object, the reference attribute and corresponding reference attribute

having different formats and the format of the corresponding reference attribute being

associated with an attribute in the other central representation corresponding to the

second object; and

propagating, by the computing device, the data to the third object to update the

third object, the propagating including retrieving a value of the attribute in the other

central representation corresponding to the second object and updating a value of the

corresponding reference attribute in the third object based on the retrieved value,

wherein the format of the reference attribute requires a name of a person

represented by the second object and the format of the corresponding reference

attribute requires an email alias of the person represented by the second object.

14. (Canceled)

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15. (Previously Presented) The method recited in claim 13, wherein the third

object has an immutable characteristic.

16. (Original) The method recited in claim 15, wherein the immutable

characteristic comprises a globally unique identifier.

17. (Canceled)

18. (Currently Amended) The method recited in claim 15, wherein identifying

the third object in the second namespace comprises identifying a second link between

[[an]] the immutable characteristic of the third object and the other central

representation.

19. (Canceled)

20. (Original) The method recited in claim 13, wherein the central

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representation and the other central representation reside in a metadirectory.

21-25. (Canceled)

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26. (Currently Amended) A system comprising:

a processor; and

a plurality of programming instructions to be executed by the processor to:

receive an indication of a change to data comprising a reference attribute

in a first external object in a first namespace, wherein the reference attribute

refers to a second external object in the first namespace, the first external object

and the second external object each having an associated central representation

in a second namespace, wherein the second namespace includes a

metadirectory that includes all data from each of its associated namespaces;

evaluate an association between the central representation of the second

external object in the second namespace and the external second object in the

first namespace to identify a third external object in a third namespace;

discover a format of a corresponding reference attribute in the third

external object, the reference attribute and corresponding reference attribute

having different formats and the format of the corresponding reference attribute

being associated with an attribute in the central representation of the second

external object; and

propagate the changed data to the third namespace to update the third

external object, the propagating including retrieving a value of the attribute in the

central representation of the second object and updating a value of the

corresponding reference attribute in the third external object based on the

retrieved value.

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27. (Currently Amended) The system of claim 26, wherein the instructions

are further to be executed by the processor to evaluate [[the]] a correlation between the

central representation of the first external object and the first external object by

identifying a link between an immutable characteristic of the first external object and an

immutable characteristic of the central representation of the first external object.

28. (Currently Amended) The system of claim 27, wherein instructions are

further to be executed by the processor to identify the third external object in the third

namespace by identifying a link between [[an]] the immutable characteristic of central

representation of the first external object and an immutable characteristic of the third

external object.

29. (Previously Presented) The system of claim 28, wherein the immutable

characteristics comprise globally unique identifiers.

30-33. (Canceled)

34. (New) The method recited in claim 1, wherein the first namespace serves

as a first master for at least a first piece of information absent in the third namespace,

and the third namespace serves as a second master for at least a second piece of

information absent in the first namespace.

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35. (New) The system of claim 26, wherein the first namespace serves as a first master for at least a first piece of information absent in the third namespace, and the third namespace serves as a second master for at least a second piece of information absent in the first namespace.

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